

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Applicant:** Algirdas A. Underys )  
)  
**Serial No.:** 08/991,113 )  
)  
**Filing Date:** December 16, 1997 )  
)  
**Title:** Heat Treatment Method and )  
Apparatus )

**Attention:**  
**Primary Examiner**  
**Wyszomierski**  
  
**Group 1742**

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The Honorable Commissioner  
of Patents and Trademarks  
Washington, DC 20231

**ON APPEAL**

**Appeal No. 2001-0359**

**(Formerly: Appeal No. 10,359)**

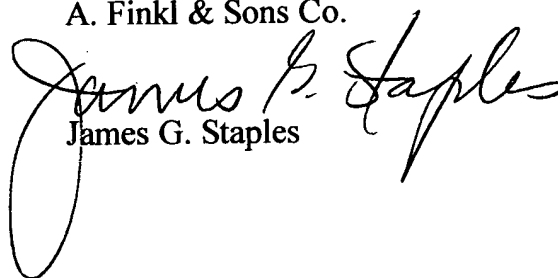
**SUPPLEMENT TO  
APPEAL BRIEF  
FILED APRIL 21, 2003**

In response to the Office Action dated April 30, 2003, Paper No. 33, we enclose herewith a copy of claims 4 and 19 in triplicate with the request that the Examiner or the Clerk of the Board of Appeals associate a copy of said claims 4 and 19 with each of the three copies of the Appeal Brief which was filed on April 21, 2003 (probably Paper No. 32). The enclosed claims 4 and 19 were intended to be the second page of Attachment 4 to the Appeal Brief.

The error in omitting said claims 4 and 19 from the Appeal Brief as filed is regretted and we thank the Examiner for so promptly bringing the omission to our attention.

Respectfully submitted,

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4. The method of claim 15 further characterized by and including the step of  
providing a coating of reflective material over at least some of the interior  
surface of the furnace.

19. In a method of heat treating a tool steel workpiece the steps of  
providing a heat source in the interior of a furnace of a size suitable to receive  
a tool steel workpiece to be heat treated,  
providing a coating of reflective material selected from the group consisting  
of gold, silver and aluminum over at least some of the interior surface of the furnace, and  
subjecting the tool steel workpiece to heat treatment by exposing said tool steel  
workpiece to infrared heat energy from an infrared heat energy source.

4. The method of claim 15 further characterized by and including the step of  
providing a coating of reflective material over at least some of the interior  
surface of the furnace.

19. In a method of heat treating a tool steel workpiece the steps of  
providing a heat source in the interior of a furnace of a size suitable to receive  
a tool steel workpiece to be heat treated,  
providing a coating of reflective material selected from the group consisting  
of gold, silver and aluminum over at least some of the interior surface of the furnace, and  
subjecting the tool steel workpiece to heat treatment by exposing said tool steel  
workpiece to infrared heat energy from an infrared heat energy source.

4. The method of claim 15 further characterized by and including the step of  
providing a coating of reflective material over at least some of the interior  
surface of the furnace.

19. In a method of heat treating a tool steel workpiece the steps of  
providing a heat source in the interior of a furnace of a size suitable to receive  
a tool steel workpiece to be heat treated,  
providing a coating of reflective material selected from the group consisting  
of gold, silver and aluminum over at least some of the interior surface of the furnace, and  
subjecting the tool steel workpiece to heat treatment by exposing said tool steel  
workpiece to infrared heat energy from an infrared heat energy source.